

length of the stylet needle. In a further embodiment, the stylet comprises a cap for coupling to the connecting end of the stylet needle. In still another embodiment of the invention, the stylet base and stylet cap are separated by a resilient element. In a preferred embodiment, the resilient element is a spring.

In one embodiment, the stylet body comprises an opening for receiving a graspable element. In a preferred embodiment, the stylet comprises a graspable element partially inserted within the opening.

In one embodiment, the invention comprises molds for use in generating the stylet. In a preferred embodiment of the invention, a mold comprises two connectable halves, each half comprising a half mold cavity corresponding in shape to half of at least one external component of the shaft (e.g., the needle, the shaft base, the shaft cap, the graspable element). The mold halves are connectable by connecting elements (e.g., connecting pins, screws, or bolts) which align the mold halves and form a whole mold cavity which provides an impression corresponding in shape to a particular component of the shaft. By injecting the appropriate material into the mold through an opening in communication with the whole mold cavity, the components of the shafts are generated.

Brief Description of the Drawings

The objects and features of the invention can be better understood with reference to the following detailed description and accompanying drawings. Reference numbers in the figures refer to the same details throughout. Although the scale shown in the Figures is 4:1, the relative proportions and sizes of the components of the stylet can vary, and the dimensions indicated reflect only one embodiment of the invention.

Figure 1A shows a side view of a stylet according to one embodiment of the invention comprising a stylet needle and stylet body and a handle for facilitating movement of the stylet. The body comprises two sections separated by a spring. Figure 1B shows a side perspective view of the stylet shown in Figure 1A. Figures 1C and 1D shows a side perspective view of the component parts of the stylet shown in Figures 1A-B. Figure 1E shows a cross-section through the longitudinal axis of components of the stylet.